#### "Formulating Alternatives"

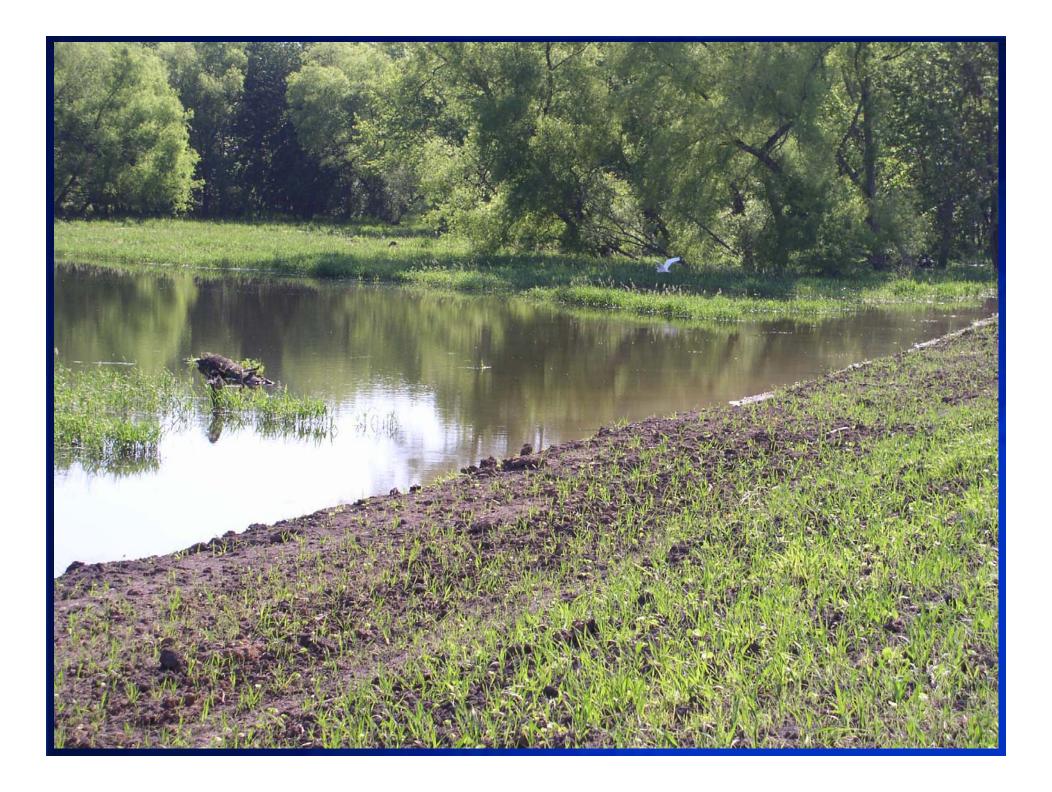
Watershed Planner Training

January 30th, 2007

#### **Step 5: Formulating Alternatives:**

- Alternatives are resource management options (fixes) to solve the identified water resource problems.
- One approach may not be sufficient.
- Combinations of approaches, each with its advantages and disadvantages, should be considered.

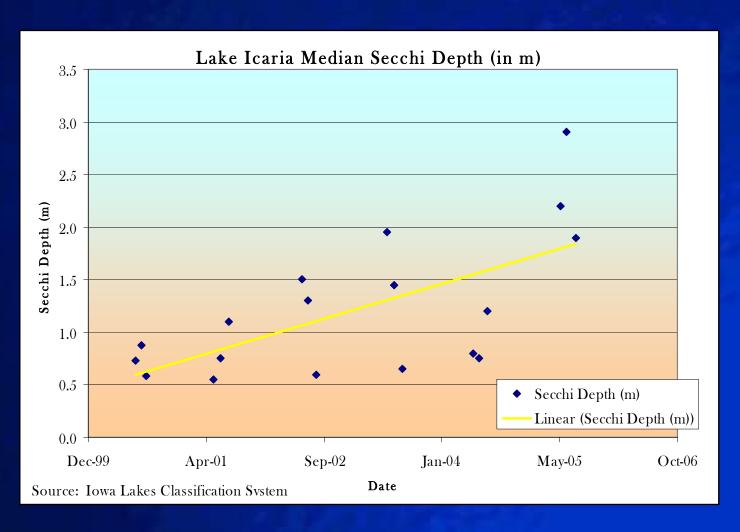






#### Ensure that proposed alternatives address identified objectives and concerns

#### Keep your eyes on the prize!



Include alternatives that are "program neutral" so that program rules do not constrain the search for innovative solutions

1. Focus on the resource concerns, not the programs

2. Be somewhat idealistic about what practices could be implemented

### Develop alternatives that are socially and politically acceptable



## Develop alternatives that are financially and technically feasible





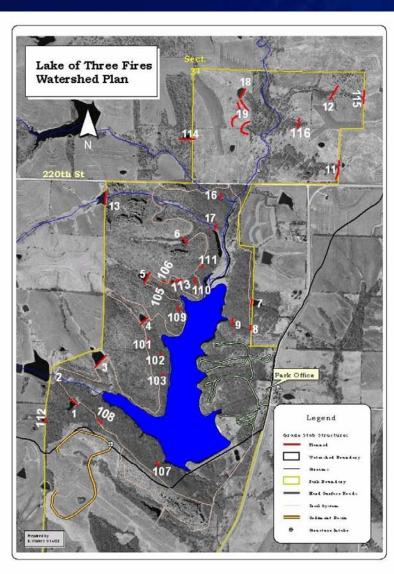
#### Consider and include regulatory alternatives where appropriate, as well as voluntary activities

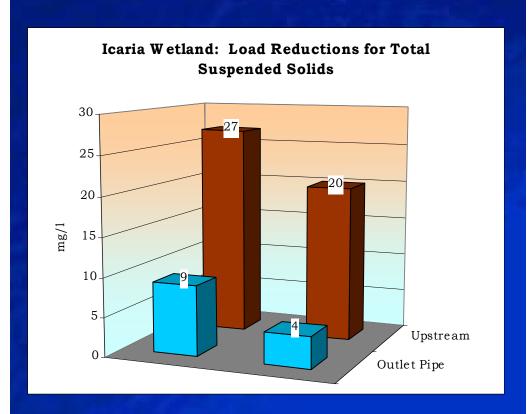
- Conservation Compliance
- Fish Passage Regulations
- Work with DNR Field Services Bureau
- US Army Corps of Engineers Permits
- Soil Loss Complaints
- Pesticide and Manure Application Regulations

# Alternatives may include in-stream/in-lake components as well as conservation practices located in the watershed

In-Lake Renovation Activities	Quantity
Shoreline Deepening and Riprap	6910 feet
Shoreline Riprap Repair	440 feet
Shoreline Riprap	15,300 tons
Rotenone	1890 gallons
Man Hours for Investigation and Renovation	700 hrs
Fish Habitat Mounds	12
Sunken Trees for Fish Habitat	200
Boat Ramp Repair	1
Total Cost	\$ 650,000

### Each alternative should be summarized including costs, supporting data, and appropriate maps







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